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MAKING A DIFFERENCE



BLM'S 1995 VOLUNTEER ANNUAL REPORT



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U.S. Department of the Interior • Bureau of Land Management



International exchange students make friends while building a fence at a Wilderness Study Area in Utah.

COVER PHOTO—Public Lands Appreciation Day in September 1995 attracted volunteers of all ages to Pohick Bay Regional Park in Virginia.

BLM/WO/GI-97/002+1114

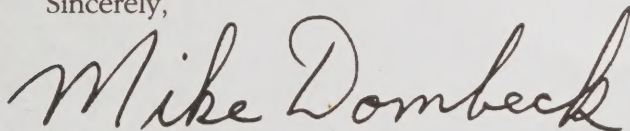
To Our Volunteers

I want to thank you for the many contributions you have made to the BLM. You have improved the health of the public lands by restoring riparian areas across the West, building and repairing fences to protect special areas, and planting trees and pulling weeds. You have protected our nation's cultural heritage through the thousands of patrols you have made to remote areas. You have increased service to our customers by building trails, serving as campground hosts, and staffing visitor centers. You have completed thousands of other tasks that make a significant difference in how the BLM manages the public trust.

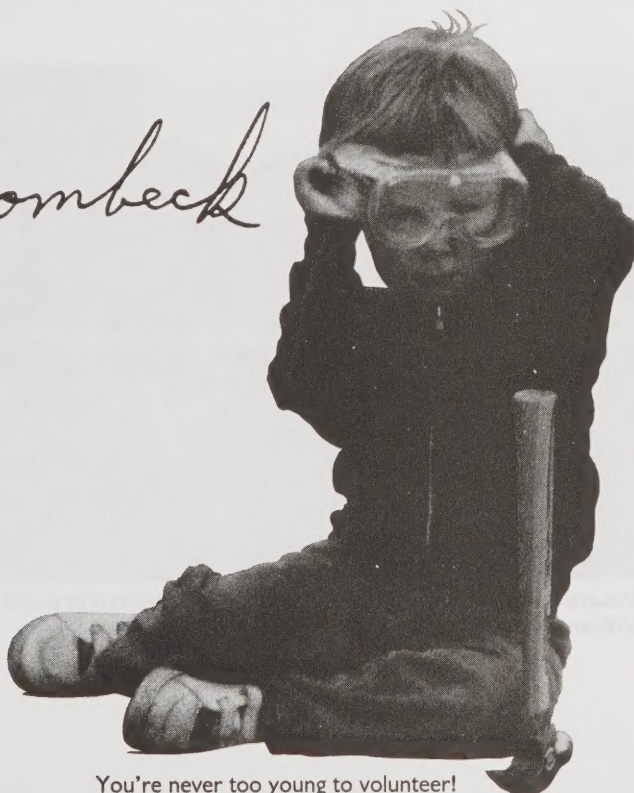
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Congratulations on your many accomplishments, and keep up the great work!

Sincerely,



Mike Dombeck
Acting Director



You're never too young to volunteer!



Students from Sorenson's Ranch School help protect a riparian area in Utah.



Volunteers from Hamburg, Germany make contributions to public land stewardship at the Devil's Canyon Wilderness Study Area in Utah.

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BLM's 1995 Volunteer Program

*I*n 1995, 19,626 volunteers donated 1.2 million hours to the Bureau of Land Management at an estimated value of \$13.6 million. Approximate costs to the BLM were \$1.4 million.

But volunteer contributions cannot be measured solely in terms of money

saved. Volunteers serve as vital links to their local communities and beyond. They help the BLM educate others and instill a pride in the public lands that is crucial if these lands are to be held in trust for future generations.

National Totals

	Hours	Value (\$)	Cost (\$)	Workers
Alaska	34,276	513,148	140,858	333
Arizona	126,508	1,475,216	158,946	1,872
California	345,772	3,715,024	104,131	3,581
Colorado	165,260	1,987,375	249,982	2,287
Eastern States	18,597	256,441	12,966	1,101
Idaho	44,527	623,303	37,526	610
Montana/Dakotas	44,427	534,104	44,810	279
*Nevada	72,411	824,226	39,955	1,018
New Mexico	92,317	837,569	107,994	1,871
*Oregon/Washington	168,554	1,634,790	445,344	3,549
Utah	74,810	818,803	60,507	2,479
Wyoming	26,953	307,176	26,973	611
Office of Fire and Aviation	1,732	19,345	0	15
Service Center	3,346	53,949	763	20
Total	1,219,490	13,600,469	1,430,755	19,626**

* Partial listing; complete information unavailable at time of publication

** This includes 1,089 hosted workers

Volunteer Activity for Fiscal Years 1991-1995

	1995	1994	1993	1992	1991
Workers*	19,626	19,431	24,619	23,507	22,962
Hours	1,219,489	1,333,359	1,237,263	1,354,951	1,301,089
Value	\$13,602,369	\$15,233,310	\$14,500,132	\$16,415,247	\$15,198,818
Work-Years	677	741	687	753	723
Average Hours per Volunteer	62	69	50	58	57
Average Value of Work per Hour	\$11.15	\$11.42	\$11.72	\$12.12	\$11.68
Average Value of Work in a Year	\$20,077	\$20,565	\$21,095	\$21,807	\$21,027

* Includes hosted workers

Trends in the Program

The number of volunteers this year is up slightly from 19,431 in 1994. More importantly, however, the quality and relative value of volunteer contributions to the BLM is on the rise. Volunteers are increasingly willing to take on leadership roles; not only are they willing to organize events, but many also recruit more volunteers whom they supervise. Long-term volunteers are becoming a trend. Volunteer internships are also on the rise, offering students opportunities to learn by doing, and to try out natural resource jobs before they graduate and enter the workforce.

Using volunteers in more joint, inter-agency positions

also is on the increase. Traditional roles for volunteers continue to be filled by exceptional people—serving as campground and visitor center hosts and assisting with oil and gas, cultural resources, riparian and wildlife inventories, for example—but nontraditional jobs also are increasing. Volunteers who have taken on specific projects requiring specialized skills, such as computer programming or engineering or historical research, are profiled in this report.

As the volunteer program continues to evolve and change, one thing is certain: volunteers of the future will be taking on

Volunteers or Hosted Workers?

The term "volunteer" used in the text of this report includes "hosted workers." Volunteers work for the BLM without being paid. They donate their time, and in some cases, equipment and money, to assist the BLM with a variety of jobs. Hosted workers, on the other hand, are paid by another organization, but work for the BLM at no charge to the BLM. Hosted workers made up about 5 percent of the total BLM volunteer workforce in 1995, and are included in the state tables.

increasingly important roles and they will need leadership and management skills. Volunteers will continue to be important players in achieving the BLM's mission.

New in 1995

In response to requests from field volunteer coordinators for a national recognition program for the BLM's outstanding volunteers, the Environmental Education and Volunteers (EE&V) Team hosted "Making a Difference," a new national volunteer awards program held in April 1996. Seven winners were selected for 1995 from 46 nominations submitted by BLM State Offices.

Winners donated hundreds to thousands of hours, making meaningful contributions to a variety of BLM projects. In every case, these volunteers clearly went well beyond the call of duty in their work. Their names and accomplishments are listed later in this report. In an effort to draw upon field expertise in planning national policy, the EE&V Team created an Adjunct Team in 1995. Members were nominated by the State Offices and selected by a panel in

Washington, DC. The interdisciplinary team is made up of several volunteer coordinators, a district manager, and two volunteers. The purpose of this team is to assist with national volunteer program efforts that provide technical support and services to the field. The team also plays an important role in representing field needs and perspectives as key elements of the BLM's volunteer strategy are implemented. They conduct the majority of their business through teleconferencing and electronic communications.

The EE&V Team also has set up electronic share folders on the Internet to facilitate communication and sharing of ideas between volunteer coordinators. Originally set up for the 12 State Volunteer Coordinators, the program will be expanded to include field coordinators, and eventually interagency coordinators, as well.



Boy Scouts complete an Eagle Scout project by clearing a trail in Utah.



The finished product.

Thanks to Our Partners!

The Bureau of Land Management depends on thousands of partner organizations across the country to get its work done. The partners listed here have been singled out for recognition by BLM field offices for their substantial contributions to the BLM volunteer program in 1995. They all have shown a willingness to roll up their sleeves and get down into the trenches to improve the public lands. (This is not an inclusive list of all BLM partners.)

Student Conservation Association

The Student Conservation Association (SCA) fosters lifelong stewardship of the environment by offering opportunities for students in education, leadership, and personal development while providing the highest quality public service in natural resource management, environmental protection, and conservation. The SCA made significant contributions to the BLM in 1995. For example, in Wyoming, the SCA spent 12 weeks in the Great Divide working on watershed, hydrology, riparian, and fisheries projects for the BLM. One SCA volunteer worked for 12 weeks in interpretation, operations, and maintenance at the National Bighorn Sheep Center in

Dubois, Wyoming. An SCA student from the BLM's Coeur d'Alene, Idaho, office assisted the Spokane, Washington, field office in meeting fiscal year 1995 timber salvage sale commitments. Another SCA volunteer in the office assisted with the recreation program. Both were given awards for their excellent work.

Boy Scouts & Girl Scouts

Girl Scouts and Boy Scouts make tremendous contributions to the BLM throughout the country. This year, several Eagle Scout projects were completed, some involving supervision of teams of scouts in the field. For example, in Wyoming, one industrious Boy Scout's Eagle Scout project involved coordinating 25 volunteer scouts at Duck Swamp Environmental Education Area. Another Eagle Scout project in the Kanab, Utah, Resource Area retrofitted the office entrance to meet the requirements of the Americans with Disabilities Act. Eagle Scouts in the Vernal (Utah) District planted over 6,000 trees and did other wildlife habitat work. Eagle Scout projects in Nevada included reconstructing a wildlife spring development in Gabbs Valley Range, rehabilitating an area burned in 1994 by planting 600 Jeffrey pine

seedlings. In Wyoming, two Eagle Scouts conducted projects in the Muddy Mountain Environmental Education Area developing horseshoe pits and reseeding areas along trails.

Girl Scouts, Boy Scouts, and Tree New Mexico assisted in a 2,000-tree reforestation project near Cuba, New Mexico. A Girl Scout troop planted cottonwood and black willow trees along the Rio Salado in New Mexico. Boy Scouts assisted with the Lake Havasu Fisheries Improvement Program on the border of Arizona and California. Boy Scouts and their leaders installed 30 bat houses at 15 sites in the Laramie Valley (Wyoming) area.

In addition, Boy Scouts cleaned Overlook Campground twice and picked up litter along the trails in the Taos Resource Area of New Mexico. They assisted with a fire rehabilitation project by reseeding bitterbrush in Utah. Five Eagle Scout projects were completed at the Cleveland-Lloyd Dinosaur Quarry in Utah. The Salt Lake District's Trail Boss Program also linked BLM with Boy Scout and Eagle Scout projects.

Resource Apprenticeship Program for Students (RAPS)

This program gives at-risk high school students opportunities to work in

natural resource jobs by placing them as hosted workers throughout the BLM. The program is sponsored by BLM, but funded through private sources. Four students in the Worland (Wyoming) District assisted with data input in the oil and gas program. Five students in Casper, Wyoming, assisted in the oil and gas, hazardous materials, information resources management, and range-land programs. Students in other state offices assisted with various clerical and administrative duties, freeing BLM staff to accomplish more with limited resources.

American Association of Retired Persons (AARP)

The American Association of Retired Persons is the nation's oldest and largest organization of older Americans. Their motto, "To serve, not to be served," is testament to their active volunteer program. The AARP's senior community service employment program placed two volunteers in Idaho's personnel office for on-the-job training. This program gives volunteers real work experience they can use in obtaining paid employment. BLM benefits by having the extra help.

Other Partners

Local partners in many instances determine the success of important volunteer projects that help the BLM meet its mission and mandates. Here is a partial listing of local partners singled out by the BLM's State Offices as having provided outstanding assistance. In addition to those listed, many other groups, including State fish and game, natural resources, and tourism offices and other government and Federal agencies, are instrumental to the BLM's volunteer program.

- American Association of Retired Persons.
- American Mustang and Burro Association, South Carolina Chapter promotes and supports the wild horse and burro adoption program.
- Anglers United assisted with the Lake Havasu Fisheries Program on the border of Arizona and California.
- Anchorage School District is a partner with the BLM's Campbell Creek Science Center in Anchorage, Alaska.
- Bass Anglers Sportsman Society teaches fishing and boater safety.
- Bighorn and Shoshone Backcountry Horsemen (Wyoming).
- Bonneville Off-Road Racing Club (Utah).
- Bowie (Arizona) Lions Club cooperatively manages the Indian Bread Rocks Picnic Area, maintaining the site and facilities.
- Brunton, USA contributed compasses, optics, and expertise for use in environmental education programs in the Eastern States.
- Buffalo Bill State Park (Wyoming) shares campground hosts with the BLM.
- Colorado Backcountry Horsemen's Association.
- Colorado's Friends of the Mustangs.
- The Colorado Quad Dusters All Terrain Vehicle Club.
- Free Spirit Mustang and Burro Club, Tampa, Florida, promotes and supports the wild horse and burro adoption program.
- Graham County (Arizona) Probation Department maintains local recreation areas.
- Golden Kiwanis assisted with the Lake Havasu Fisheries Program on the border of Arizona and California.
- Hot Springs County Museum and Cultural Center.
- Jackson (Mississippi) Bass Club assisted with Pathways to Fishing.
- Kentucky Horse Park teams horses with inner-city youth in Lexington, Kentucky.
- Lassen Sportsmen's Club holds an annual cleanup of Susan River in California.
- Lincoln County (Wyoming) Snowbears and Snowskippers.
- Meridian District (Idaho) Varsity Scouts adopted a trail in the Snake River Birds of Prey area.
- Mesa State College in Grand Junction, Colorado.
- Middle Tennessee Mustang Association promotes and supports the wild horse and burro adoption program.
- Mississippi Museum of Natural Science cohosts Pathways to Fishing.
- Motorcycle Trail Riders Association.
- Mule Deer Foundation, Carson City (Nevada) chapter, made wildlife habitat improvements in the Pine Nut Mountains.
- National Audubon Society is a partner with the BLM's Campbell Creek Science Center in Anchorage, Alaska.

- National Outdoor Leadership School (NOLS).
- National Peregrine Fund, Wyoming.
- National Multiple Sclerosis Society.
- Native Plant Society assisted with surveys of Campbell Tract in Anchorage, Alaska.
- Nevada Bighorns Unlimited (with Mineral County Sportsmen) constructed guzzlers in the Walker Resource Area.
- New Mexico Four Wheelers sponsored a public land watch patrol in the National Speleological Society (Southwestern Region). Volunteers donated 360 hours assisting BLM Caballo Resource Area, New Mexico, with cave inventories.
- New Mexico Wildlife Federation helped build enclosure fences to protect habitat, and planted cottonwood and black willows in the Rio Puerco riparian area.
- Nomad Off Road Club helps in management of the Hot Well Dunes Recreation Area in Arizona.
- One Shot Antelope, Wyoming.
- Piney Woods Country Life School provided environmental education programs to inner city youth in Mississippi.
- Pohick Bay Regional Park, Virginia, was the site of BLM's Public Lands Appreciation Day.
- Rocky Mountain Elk Foundation, Wyoming.
- Shimano Corporation assisted with the Lake Havasu Fisheries Program on the border of Arizona and California.
- Sierra Club assisted with trail building and repairing in California, donated over 1,600 hours in the Arizona Strip District in wilderness and cultural resources; installed water catchments in New Mexico; and assisted in the Salt Lake District in Utah.
- Sierra Club assisted with a trail building project in Durango, CO.
- South Walton (Florida) Turtle Watch Group monitors sea turtles on BLM-managed land in Florida.
- Southwest Idaho Mountain Bicyclist Association provided education on wheels to trail users in Idaho.
- The Nature Conservancy assisted in Wyoming and Idaho with several cleanups.
- Trout Unlimited (Illinois) assisted with riparian and aquatic habitat restoration in Wyoming.
- Utah All Terrain Vehicle (ATV) Association, Utah.
- Virginia Bass Anglers Sportsman Society (BASS).
- Volunteers for Outdoor Colorado.
- Washakie County Museum and Cultural Center.



This trash would still be in the water were it not for public land volunteers.

It's Academic

Cooperating universities and other academic institutions have much to offer the BLM in the way of expertise, data, and a cadre of enthusiastic students who are eager to learn the old-fashioned way—through hard work. In turn, the BLM can offer students “in-the-field” and “on-the-job” training not available in the classroom. Listed below are just a few examples of where this type of cooperation is working in BLM.

- Through an agreement with the **University of Tulsa**, graduate students work for BLM to earn academic credit. They have assisted with an environmental assessment for coal leasing, allowing the BLM to meet its deadline. They also mapped cultural features of the Ku Pueblo Special Management Area, and compiled geologic data for use in the oil and gas programs.
- A geology student from the **University of Bonn** in Germany assisted in inspecting mining claims, surveys, and compliance examinations in Idaho's Burley Field Office.
- **Idaho State University** students conducted an intensive inventory of 1,000 acres to record historic and prehistoric archaeology sites. They also documented and mapped a prehistoric tool-making site.
- A **University of Idaho** student volunteered nearly 200 hours on the Upper Columbia River Basin Ecosystem Project, working with both BLM and the Forest Service.
- **University of Wyoming** students are working on the Black Mountain archaeological excavation in Wyoming.
- A **Casper College** student completed an interagency internship in Montana, providing over 200 hours of research for BLM in the Office of the Field Solicitor.
- A recreation intern from **Northern Arizona University** worked in the Gila Box Riparian National Conservation Area from May through August. He helped coordinate with the City of Stafford to rehabilitate over 200 acres of mine tailings. He also patrolled the area daily and helped design the Riverview Campground.
- Several **University of Arizona** graduate students worked on studies to characterize the hydrologic processes of Cienega Creek.
- A student of **Powell College** in Wyoming with interests in homesteading and in computers volunteered to establish a database of patented lands in Sweet Grass County, Montana. This database will help people research their family homestead records, and is available through the Sweetgrass County Museum, saving researchers a trip to the County courthouse.
- Students from the **Southwest Indian Polytechnical Institute** helped protect sensitive plants in the Ojito Wilderness in New Mexico and performed maintenance activities at Tent Rocks Recreation Area.
- Students from **Utah Valley State College** completed watershed and riparian resource protection projects, as well as trail maintenance and range and cleanup projects in the Cedar City, Utah, District.

- Students from **Brigham Young University** assisted in gathering and compiling data on bear populations in the Book Cliffs in Utah.
- Students from **Utah State University** and **West Desert High School** worked with BLM to construct 1.5 miles of riparian pasture fence enclosures, to protect 19 spring habitats at Gandy Salt Marsh Lake in Utah.
- In Nevada, graduate students from **Stanford University's** Center for Biodiversity completed a spotted frog survey in the BLM's Ely District. Students from the **University of Nevada** at Reno excavated the Jacob's Well Pony Express Station.
- Students from the **University of Wyoming, Colorado State University,**

and the **Colorado School of Mines** performed cultural inventories, site recordation, and mapping. They also conducted geophysical prospecting for cultural sites, developed engineering specifications, and computed costs associated with the development of an interpretive facility as a very significant pit house.

- **Mesa State** intern Kurt Hoffmeister collected water quality data on numerous streams located in the Grand Junction, Colorado, Resource Area. Mark Kammerer contributed 400 hours as a campground host and conducted surveys to determine the feasibility of charging campground fees at the campsite.



Utah State University students help build a fence at the Gandy Salt Marsh in Utah.

Outstanding Volunteers Recognized

The following individuals were singled out for recognition of their exceptional dedication and support for BLM programs in 1995. They were honored at a special ceremony held in Washington, DC, during National Volunteer Week, April 22-26.

Jacques W. Robertson, Cody Resource Area, Wyoming, developed a partnership between BLM and Park County Family Services, where he works as youth coordinator. At BLM, Robertson developed and supervised projects for juvenile offenders sentenced to perform community service. They contributed over 1,000 hours constructing trails, building bat-roost and bird-nest boxes, removing trash, and improving wildlife habitat and recreation areas.

Clint and Ellen Boehringer, Rhyolite Ghost Town, Nevada, have spent 5 months a year for each of the past 4 years telling the story of a 1906 gold mining town. Putting in 2,400 hours of labor, they interpret the town's history to about 10,000 people each year. They also have built and painted street signs for the town, built and emptied trash containers, started an aluminum can recycling program, made mesquite wreaths to decorate the ruins and cemetery, and dressed up in costumes of the period.

John and Jill Ferguson, Florida, have served as volunteers for the BLM's Jackson District Office for 10 years, traveling to Alabama, Georgia, and Tennessee to assist with wild horse and burro adoptions. Since 1994, the Fergusons have checked potential adopters' facilities (corral size, shelter, etc.) for compliance with BLM's adoption requirements. By conducting investigations before adoptions, they help ensure the animals go to adopters who are prepared to take good care of them. Collectively, they have volunteered over 3,000 hours and traveled more than 1,200 miles without reimbursement.

Bob and Ann Earley, Lake Valley, New Mexico, have traded in the comforts of modern conveniences to live in a fifth-wheel trailer so they can keep watch on the historic townsite of Lake Valley, New Mexico. They have created a living history exhibit in the old schoolhouse and have become the official greeters to the town, which was founded in 1878. The Earleys also helped install safety fences around open mine shafts in the area and performed maintenance and repairs on several buildings, preventing their partial or complete collapse.

The Arizona Site Steward Program

consists of 440 citizen volunteers who monitor archaeological sites on lands of all jurisdictions throughout Arizona to detect and deter looting and vandalism. This program is a partnership among the BLM and several national, county, and city organizations. The Site Steward Program reaches out to people of all ages, making them aware of the damage done to our cultural resources by thoughtless or deliberate acts of vandalism. Through the program, which is administered by a cadre of 29 regional coordinators, 1,000 BLM site visits and 9,000 volunteer hours have been completed since 1988.

Harold Morris, Roseberg, Oregon,

has saved the BLM an estimated \$30,000 a year in maintenance expenses. A displaced timber worker, Morris serves as a BLM campground host. He has brought to this job a strong work ethic and love of the outdoors. In his volunteer position, Morris collects campground fees and serves as a goodwill ambassador to thousands of visitors. In the off-season, he is the caretaker of the campground, working 6 days a week. Morris has improved wildlife habitat and the aesthetic appeal of the campground since he began volunteering in July 1994.

Matthew Gjerde, Bakersfield,

California, was chosen by the National Performance Review (NPR) Oil and Gas Team to serve as a Petroleum Outreach Program intern in the Bakersfield, California, District. Gjerde has worked many hours briefing local oil and gas leaders about proposed regulations and critical issues relating to the industry. He also developed an oil and gas directory for the NPR team. Gjerde continues to volunteer for the BLM 30 hours a week while attending college full-time. He also serves as a volunteer on weekends for the California Conservation Corps and California State University.



Volunteer Ed Keenan (left) M. Bunker, BLM, and Rich Lundin, a volunteer for the University of Nevada at Reno, conduct archaeological work at Jacob's Well Pony Express Station in Nevada.

Volunteers Make Major Accomplishments in BLM's Top Priorities

Volunteers make substantial contributions to the BLM's core goals: improving the health of the land, improving customer service, and improving business practices. Listed below are just a few examples of the major work volunteers are doing in these high-priority areas.

Improving the Health of the Land

- In Montana, volunteer Bob Newby rides the range covering over 100 square miles, teaching ranchers new rotational grazing patterns in order to reduce stress on the land. The ranchers have noted increased cattle weights due to better forage, and the land is healing from years of overuse.
- In the Rawlins, Wyoming, District, volunteers assisted in collecting "proper functioning condition" riparian data, surveyed raptor nests, and designed prescribed burns. Casper District volunteers conducted eagle surveys and digitized wildlife data.
- The Oak Brook Chapter of Trout Unlimited traveled from Illinois to Wyoming each summer to improve riparian and aquatic habitat for Colorado River Cutthroat Trout under the LaBarge Creek Watershed Management Project.
- Two volunteers in the Idaho Falls field office assisted with field erosion, soil temperature and moisture monitoring, stream gradient calculations, streamflow measurements, and photo documentation.
- Volunteers recorded information on ferruginous hawks, assisted in a search for prairie dog colonies and endangered black-footed ferrets, assisted with toad and ferret surveys, and repaired Cherry Creek wildlife exclosure in Wyoming.
- Volunteers planted trees along the Miracle Mile portion of the North Platte River in Wyoming.
- Volunteers assisted with fire prevention and lookout activities in Idaho.
- Elementary school students planted Douglas fir seedlings in the Partage Canyon area in Idaho. Over 4,200 bitterbrush seedlings were planted by volunteers to improve deer winter range.
- Volunteers in a community service program worked on weed eradication in the Haynes Creek riparian area in Idaho.
- A senior citizen conducted pygmy rabbit inventories and breeding bird surveys for the Salmon, Idaho, field office.
- Volunteers in the Idaho State Office assisted with botany studies.
- Volunteer Christine Russell organized an ecology walk for fellow Girl Scouts in California. Money raised from the walk will help purchase equipment needed to control weeds at Harper Dry Lake, and to improve a watchable wildlife site.
- Volunteers in the Arizona Strip District monitored the federally-endangered desert tortoise.

- BLM worked with volunteers and a local livestock permittee in New Mexico to build a solar electric fence, completing exclusion of livestock from the Rio Grande shoreline in order to improve riparian habitat.
- In Utah, volunteers repaired exclosures, monitored falcons on four eyries, and planted 3,000 plants on critical big game winter range and 200 seedling cottonwood trees on riparian areas near Price.
- "Weed Day" in the Richfield District of Utah has increased watershed productivity and conditions, as well as access to the area, as a result of the 3-year program. A fencing project at Gandy Salt Marsh Area of Critical Environmental Concern also has improved riparian conditions.
- In Alaska, a volunteer used topographic maps to separate streams into various drainages in order to delineate Aquatic Habitat Management Areas. Once digitized, this data will be used to manage the areas, some of which contain anadromous fish. Volunteers also mapped historic forest fires from fire reports in preparation for digitizing into Geographic Information Systems.
- Volunteers located 156 wetlands for and mapped waterfowl use by aerial surveys. Two volunteers conducted daily bird surveys on coastal areas and tidal mud flats for the BLM's Carter Spit Shorebird and Waterfowl Project.
- The Colorado State Office, Forest Service, and Volunteers for Outdoor Colorado successfully designed and built a memorial trail honoring 14 firefighters who lost their lives at the South Canyon Fire. The 2.5-mile trail includes two overlooks with interpretive signs explaining the fire's movements, and the conditions faced by the firefighters.
- In Colorado, Kevin Mortensen from Mesa State College assisted with bird data collection, setting up and running the nongame bird monitoring study.
- Many volunteers assisted in the management and development of popular rock-climbing areas at Penitente Canyon and Self Road.

Improving Business Practices

- The Resource Apprenticeship Program for Students provided administrative support to several BLM offices in 1995.
- Casper District volunteers cataloged artifacts so that a land exchange could be accomplished.
- Volunteers conducted cadastral survey work for the Idaho State Office.
- Volunteers in the Phoenix, Arizona, District assisted in numerous wild horse and burro adoptions.
- The river program in Taos, New Mexico, enlisted two volunteers full-time to issue permits and patrol the Rio Grande.
- New Mexico makes use of several volunteers in running its energy and minerals programs, from maintaining petroleum information cards to indexing and filing master title and oil and gas plats, inventorying abandoned mine sites, filing applications for permits to drill, entering data, assisting oil and gas inspectors in field trips, and performing switchboard duties.
- A volunteer in the New Mexico State Office is building a database of all Interior Board of Land Appeals decisions affecting the Cadastral Survey Office to use in answering letters and helping Solicitors prepare appeal responses to the Board.
- Volunteers in Utah are crucial in monitoring rock art sites. They also monitored the Eco-Challenge Race and other events in the Lower San Rafael Swell area.
- In the Cedar City, Utah, District, a volunteer made it possible for BLM to catch up on a backlog of site reports and created a database for the Wild and Scenic Rivers inventory.

- In the Alaska State Office, a volunteer developed a database and prepared a user handbook for a wildlife observation system. A volunteer in the Office of Mineral Resources established a minidocket system for readily locating specific case files.
- Under the "Trading Post Initiative," two of the four Colorado Districts and the Forest Service have created interagency volunteer coordinator positions. A volunteer program administrative desk guide was developed to facilitate the management of these combined volunteer programs.
- The Eastern Idaho Visitor Information Center is cooperatively operated by the BLM, Forest Service, and Idaho Falls Chamber of Commerce. This is a one-stop information center serving the many tourists who visit this part of Idaho every year. Its success depends on volunteer support from the Retired Senior Volunteer Program, a division of Eastern Idaho Special Services.

Serving Our Customers

- A traditional role of BLM volunteers is to serve as a campground and recreation area host. In many instances, volunteer coordinators report, "We could not have operated the area without them." Campground hosts are present at a majority of campsites throughout the summer. Having a volunteer on-site has increased fee collections, enhanced visitor services, increased visitor satisfaction, and/or improved maintenance at several BLM recreation sites, including Wyoming's Bennett Peak, Cottonwood, and Atlantic City Campgrounds; Idaho's Idaho Falls, Cotton Wood, and Coeur d'Alene Campgrounds; Arizona's Virgin River Campground and Mt. Trumble Schoolhouse; and Utah's Big Bend and Windwhistle Campgrounds and Price Canyon Recreation Area. At Santa Cruz Lake in New Mexico, volunteers made 20,000 visitor contacts, and installed five cooking grills and 20 fish habitat structures. At Orilla Verde and Wild Rivers Recreation Areas in New Mexico, volunteers staffed visitor centers, collected day-use and camping fees, and helped patrol the area.
- In the BLM's Coeur D'Alene and Cotton Wood field offices in Idaho, volunteers assembled picnic tables, repaired boat docks and campfire rings, installed signs and grills, and maintained trails. During the flood disaster in northern Idaho in the summer of 1995, volunteers operated heavy equipment to help repair flood damage in local communities.
- Volunteers at the Muddy Mountain Environmental Education Area, in the Casper, Wyoming, District built 3,000 feet of accessible nature trails.
- Volunteers in Utah help staff the Paria Contact Station and patrol the canyon trailheads and wilderness study areas, contributing to visitor services in the Cedar City District.
- Jacqueline Oliver, a volunteer in the Eastern States Office, volunteered 250 hours developing a user's guide to the BLM's General Land Office cartographic records. She also distributed the "Hikeways and Bikeways" brochure to local sporting goods stores.
- The Lake Havasu Recreational Fisheries Improvement Program enlists hundreds of volunteers to improve fish habitat and recreation facilities at the popular lake on the border of Arizona and California.
- Volunteers are crucial to most State Office public rooms, where they answer inquiries and help visitors obtain information. In the New Mexico State Office Public Lands Information Center, for example, volunteers fulfilled requests for maps and brochures, assisted with book sales, and answered telephone inquiries.

- A volunteer in New Mexico serves as translator, converting English brochures into Spanish.
- Environmental education volunteers worked 474 hours with the Outdoor Classroom at Aguirre Spring Campground teaching fourth grade students from 22 local schools subjects such as geology, archaeology, wildlife, plant life, and safety.
- Students from the Colorado Glenwood Springs High School went up on Storm King Mountain, the area where 14 fire-fighters died, and planted grass and flowers to speed habitation of the mountain.
- Volunteers in recreation and wilderness conducted routine boat, foot, and vehicle patrols in the Colorado Uncompahgre Basin Resource Area. They also collected visitor statistics, maintained existing trail systems (approximately 60 miles), and assisted in the layout and construction of new trails.
- A new volunteer project, the Green Bucks Concert Series in Telluride, Colorado, involved over 200 volunteers who participated in cleanups, reclamation projects, and environmental education.



Volunteers from the Conservation Corps Crew make improvements at Pompey's Pillar in Montana, a Lewis and Clark historical site.

Special Events

P

Public Lands Appreciation Day:

PLAD is an annual volunteer event to encourage Americans to pitch in and help conserve and restore the public lands. On September 25, 1995, BLM, the U.S. Forest Service, the National Park Service, the U.S. Army Corps of Engineers, and the U.S. Fish and Wildlife Service collectively hosted events at 17 sites nationwide, attracting over 2,500 volunteers. The BLM hosted PLAD events at the Empire-Cienega National Conservation Area in Arizona, Red Rock Canyon National Conservation Area in Nevada, Pohick Bay Regional Park in Virginia, Pony Express Trail in Utah, and Campbell Tract in Alaska. Over a thousand BLM volunteers improved and built trails, removed debris, and constructed fences and wildlife habitat structures.

Midwinter Raptor Survey: Over 100 volunteers participated in this annual event for BLM in Wyoming. They counted eagles and helped delineate eagle winter roost areas.

National Trails Day: BLM sites across the country are filled with volunteers on National Trails Day, sponsored in June of each year by the American Hiking Society. In Wyoming, an Eagle Scout Project for one industrious Boy Scout involved coordinating 25 scout



Trails all over the country benefit from volunteer labor. Volunteers stabilized this trail in Virginia during Public Lands Appreciation Day, September 1995.

volunteers at Duck Swamp Environmental Education Area. In California, off-highway vehicle (OHV) clubs helped BLM post signs on trails. The American Hiking Society is a national nonprofit organization dedicated to promoting hiking and to establishing, protecting, and maintaining foot trails in America. It was founded upon the idea of partnerships among outdoor organizations, the business community, and public land managers.

Youth Service Day: Lander Valley High School, the Wyoming Outdoor Council, and the BLM Lander Resource Area

participated in this event where local students volunteer on the public lands.

Recreate in the Forest: This public awareness day is held the third weekend in June. Volunteers from the BLM, Forest Service, and Idaho Falls Chamber of Commerce staffed a booth at a local mall to bring attention to recreational opportunities on public lands in Idaho.

Kids Fishing Day: The BLM's Eastern States Office and the Virginia Chapter of the Bass Anglers Sportsman Society team up in June each year to teach inner city kids from the Washington, DC area about the joys of fishing and boating safety.

Outdoor Week: BLM's Anchorage District has held this event every year for the past 20 years. This year, over 2,400 sixth grade students spent a day learning about natural resources in addition to panning for gold, tying flies, and learning about the local geology.

National Fishing Week: Eight Federal, State, and corporate organizations collaborated to conduct "Fishing Is Fun" day in June. One hundred and twenty-five volunteers taught five hundred Denver school children safety

and angler ethics, knot tying, fish biology and fish habitat, and casting. Everyone was treated to lunch and sipper cups of their favorite soda.

In Canon City, Colorado, over 130 volunteers were honored at a collaborative volunteer recognition ceremony hosted by BLM and the U.S. Forest Service. These volunteers had donated almost 25,000 hours to help improve the public lands.

National River Cleanup: In May, BLM collaborated with 15 other partners in this fourth annual event on the Arkansas River. After collecting 2.5 tons of trash, over 200 volunteers were feted with a barbecue, musical entertainment, and awards ceremony.



BLM's Eastern State Office's Pathways to Fishing event involves adult volunteers who help youngsters learn about aquatic ecosystems while learning to catch a fish.

The Volunteer Program by State

Alaska

Alaska had a total of 333 volunteers who donated 34,276 hours with an estimated value of \$513,148. The estimated cost to BLM was \$140,858.

Alaska			
333 Volunteers (Including 52 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	4,816	101,214	16,665
Forestry	0	0	0
Lands	680	7,437	1,165
Rangelands	0	0	0
Recreation	11,594	137,245	11,973
Watershed/Hydrology	880	13,444	31,361
Wilderness	0	0	0
Wild Horses/Burros	0	0	0
Wildlife	3,216	38,323	9,268
Energy & Minerals	286	2,989	1,280
Cadastral Survey	580	7,617	0
Construction & Engineering	616	29,586	1,800
Fire	3,160	31,438	10,468
Resource Protection	56	600	0
Administration	7,021	126,321	53,608
Other	1,371	16,934	3,270
Total	34,276	513,148	140,858

Alaska has a strong volunteer program with emphasis on archaeological field

work, surveys and mapping, firefighting support, and environmental education.

The North Star fire crew, serving as volunteers when not fighting wildland fires, removed wildland fuels on and around Army ammunition bunkers at Ft. Wainwright and worked on recreation projects and campground improvements on the Dalton Highway. The new Campbell Creek Science Center depends on active volunteer support. There, volunteers developed and tested the Center's Earth Ranger curriculum through an interagency partnership. Volunteers also conducted inventories of invertebrates and plants on Campbell Tract. On the Mesa archaeological site, 15 volunteers provided mapping services with an estimated value of over \$20,000. Volunteers also worked on a BLM project to restore salmon near Nome in partnership with the Bering Sea Fishermen's Association and the Alaska Department of Fish and Game. In addition, volunteers conducted botanical inventories in upland floodplain and alpine wilderness areas and conducted field inspections for the minerals program.

Arizona

Arizona had a total of 1,872 volunteers who donated 126,508 hours with an estimated value of \$1.5 million. The estimated cost to BLM was \$158,946.

Arizona			
1,872 Volunteers	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	9,058	98,359	3,818
Forestry	0	0	0
Lands	10	120	0
Rangelands	290	2,024	190
Recreation	32,416	374,783	22,760
Watershed/Hydrology	733	8,819	0
Wilderness	4,509	47,708	4,324
Wild Horses/Burros	1,366	10,532	1,752
Wildlife	2,636	31,270	1,502
Energy & Minerals	1,020	6,980	0
Cadastral Survey	0	0	0
Construction & Engineering	4,563	58,625	3,478
Fire	580	6,536	1,060
Administration	2,840	27,972	622
Other	66,487	801,488	119,440
Total	126,508	1,475,216	158,946

Arizona has a long and successful volunteer site steward program (see Outstanding Volunteers Recognized section) whereby hundreds of volunteers monitor archaeological and cultural sites, often in remote areas on the public lands. In addition, Arizona volunteers monitored the status of the federally endangered desert tortoise, manned fire lookouts, helped with the wild horse and burro adoption program, identified vandalism on cultural sites, planted trees, assisted in managing two long-term visitor areas, completed numerous cleanups, including the Adopt-A-Shoreline cleanup for the Colorado River, and photo-

monitored the Parker 400 Desert Race to assess environmental impacts. Arizona also sponsored one of five BLM Public Lands Appreciation Day (PLAD) events. PLAD volunteers (410) completed several wildlife habitat improvements in the Tucson Resource Area. Volunteers also made significant contributions to the Lake Havasu Fisheries Improvement Program, such as improving fisheries habitat and constructing artificial reefs and docks.

Outstanding volunteers in Arizona include Virginia Dalton, a local bat expert who conducted bat roost inventories at several abandoned mines; Glen Loftus, a Paleo Patrol Leader who visited paleo sites in the San Pedro National Conservation Area; John Womack who assisted with field surveys, collected fish, and prepared specimens for curation in the Arizona State University Zoology Museum; Jack Swindell, who worked as a site host at the Hot Well Dunes Recreation Area; Ruth Vincent and Kathleen Rempp, who assisted administration staff; Julio Roberts, who did extensive computer work; Steve Marlatt, who supervised seven students in removing abandoned structures in the Dos Cabazas Mountains Wilderness; Josh Green, who improved Fourmile Canyon Campground; Lee Dewester, who coordinated site patrols; and Jack Wilson who estimated the carrying capacity of Fila River to establish limits on numbers of rafters. In addition, Russel Davis, Dave LaMorte, Jessi Parr, Howard Lantz, and Dan Hagen all have made outstanding contributions to the Lake Havasu fisheries program.

California

California had a total of 3,581 volunteers who donated 345,772 hours with an estimated value of \$3.7 million. The estimated cost to BLM was \$104,131.

California			
3,581 Volunteers (Including 713 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	33,063	392,214	7,473
Forestry	16,048	155,193	2,121
Lands	4,179	37,845	531
Rangelands	12,255	112,417	1,618
Recreation	112,665	1,233,413	42,478
Watershed/Hydrology	2,386	11,766	3,867
Wilderness	5,846	71,183	7,377
Wild Horses/Burros	1,494	19,755	0
Wildlife	11,532	111,501	16,481
Energy & Minerals	28,688	383,814	4,902
Cadastral Survey	31	254	0
Construction & Engineering	9,939	95,542	5,884
Fire	67,821	510,782	446
Administration	15,539	146,221	2,700
Other	24,286	433,124	8,253
Total	345,772	3,715,024	104,131

Members of off-highway vehicle clubs joined together on National Trails Day to help BLM post signs on trails in the Clear Creek Management Area. Sierra Club members extended the Rademacher Hills Trail in the Ridgecrest Resource Area. The Lassen Sportsmen's Club held its annual cleanup of Susan River in August, with the help of community volunteers, including students of Lassen College's Advanced Career Training Program. Friends of the Inyo Wilderness continued work on

the group's historic trail inventory. Ridgecrest BLM and Navy China Lake personnel teamed up to assist volunteer Dick Crowe in locating historic U.S. mineral monuments. For 14 years, Crowe has volunteered to find these survey points and report their status to cadastral personnel.

Outstanding volunteers in California include Christine Russell, an 18-year-old Barstow Girl Scout who organized a 10-kilometer ecology walk for 13 fellow scouts to earn money for BLM wildlife projects. The walk earned over \$500, which BLM will use for a Watchable Wildlife trail and to purchase weed control equipment in the Harper Dry Lake Area of Critical Environmental Concern. Matthew Gjerde, of Bakersfield, California, was selected as a 1995 Volunteer Award winner for his work on the National Performance Review's (NPR's) Oil and Gas Team.



Volunteers refine their building skills while constructing a kiosk in California.

Colorado

Colorado had a total of 2,287 volunteers who donated 165,260 hours with an estimated value of \$1,987,375. The estimated cost to BLM was \$249,982.

Colorado			
2,287 Volunteers (Including 92 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	24,106	375,505	40,659
Forestry	1,367	13,407	500
Lands	2,500	31,912	2,140
Rangelands	8,184	99,490	12,114
Recreation	33,322	444,108	49,683
Watershed/Hydrology	3,429	75,554	12,364
Wilderness	2,000	20,289	6,915
Wild Horses/Burros	52,801	525,969	1,207
Wildlife	5,319	54,086	5,422
Energy & Minerals	1,276	12,450	2,323
Cadastral Survey	9,106	104,476	80,560
Construction & Engineering	8,328	97,903	13,480
Fire	1,467	17,476	557
Administration	11,003	104,724	21,658
Other	1,052	10,026	400
Total	165,260	1,987,375	249,982

Colorado has created BLM/Forest Service (USFS) interagency volunteer coordinator positions for the southern portion of the state as part of the "Trading Post Initiative." This effort will be replicated in other parts of the state as soon as possible. To support these new positions, a volunteer management guide has been created by combining the BLM and USFS volunteer regulation manuals. A Federal and State interagency land management consortium is working on the development of an electronic, interagency, interstate directory of funding resources on the Internet to help locate external funding for volunteer and other projects.

A BLM/USFS interagency volunteer recognition ceremony honored 130 volunteers who donated 25,000 hours on the improvement of public lands. Thousands of volunteers made significant contributions in the cultural program (documenting impressions, oral traditions, and concerns of Puebloan elders when brought to ancestral archaeological sites), the recreation program (Sierra Club volunteers built an improved trail at the northern end of Sand Canyon in southwestern Colorado), the wild horses and burro program (Friends of the Mustangs volunteered 2,700 hours observing the wild horses to ensure adequate feed, water, and care and maintaining springs and fences), and the wildlife program (repair of a water catchment, storage, and supply facility for deer and elk). The planning and building of the Storm Mountain Trail in memory of the 14 firefighters who lost their lives brought together many new partners (Future Farmers of America, Denver Urban Conservation Corps, RSVP, Boy Scouts, etc.) and volunteers in this two-week-end event. In the western part of the state, emphasis is being placed on the expansion of partnerships with key user groups (The Colorado Nature Conservancy, the San Miguel River Coalition) and college internship programs.

Outstanding volunteers in Colorado include Bill Nixon, who donated over 1,000 hours in the State Office copy room; Julia Sagaser who volunteered as an assistant to the volunteer program; Sue and Bill Hensler, who run

the volunteer program of over 70 volunteers at the Anasazi Heritage Center; the Quad Dusters all-terrain vehicle (ATV) group, who cleaned up 80 miles of roads and over 13,000 pounds of trash; the Delta Correctional Center, who contributed 13,000 hours of labor building fences, installing cattleguards and gates, and installing watering tanks and pipelines; and Charles and Ann Dunlap, who have completed their seventh year volunteering for the Glenwood Springs Resource Area.

Eastern States

Eastern States had a total of 1,101 volunteers who donated 18,597 hours with an estimated value of \$256,441. The estimated cost to BLM was \$12,966.

Eastern States

1,101 Volunteers <i>(Including 9 Hosted Workers)</i>	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	121	1,764	15
Forestry	59	544	651
Lands	94	956	150
Rangelands	0	0	0
Recreation	901	15,731	600
Watershed/Hydrology	77	796	700
Wilderness	0	0	0
Wild Horses/Burros	13,888	185,934	8,399
Wildlife	301	7,826	1,087
Energy & Minerals	66	570	0
Cadastral Survey	524	9,284	30
Construction & Engineering	0	0	0
Fire	0	0	0
Administration	1,114	12,695	774
Other	1,452	20,341	560
Total	18,597	256,441	12,966

Eastern States keeps hundreds of volunteers busy each year helping out with the Adopt-A-Horse Program. Volunteers are involved in all phases, from preadoption inspections to media events to helping with final adoptions. Volunteers in the Eastern States contributed to BLM in other ways as well. Kids Fishing Day is cosponsored by the Bass Anglers Sportsmen Society whose members help teach kids how to fish during the day-long event held every year in Virginia. Two volunteers, Dr. Grace Iverson and John Gardner, spent many afternoons monitoring the endangered scrub jay on the Jupiter Inlet Tract in Fort Walton, Florida. The Jackson District Office, through a partnership with Piney Woods Country Life School, a historically Black boarding school in central Mississippi, provided environmental education programs to inner city youth. The Mississippi Museum of Natural History and the Jackson Bass Club were on hand to assist the Jackson District Office in hosting Pathways to Fishing, introducing several hundred children to the joys of fishing.

Outstanding volunteers in the Eastern States include Jacqueline Oliver, volunteering 250 hours in the State Office; Lane Bouman, volunteering more than 1,500 hours conducting cadastral survey boundary retracement instruction; and Jill and John Ferguson, for preadoption inspections of wild horse and burro facilities (1995 Volunteer Award Winners).

Idaho

Idaho had a total of 610 volunteers who donated 44,527 hours with an estimated value of \$623,303. The estimated cost to BLM was \$37,526.

Idaho			
610 Volunteers (Including 24 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	2,594	35,457	592
Forestry	1,301	12,346	4,200
Lands	97	1,275	275
Rangelands	423	3,012	20
Recreation	17,348	193,267	12,492
Watershed/Hydrology	1,123	19,161	204
Wilderness	150	1,500	50
Wild Horses/Burros	132	1,122	0
Wildlife	10,112	177,767	1,460
Energy & Minerals	430	4,521	0
Cadastral Survey	2,790	40,580	16,593
Construction & Engineering	218	5,068	50
Fire	835	6,410	150
Administration	504	4,092	0
Other	6,470	117,725	1,440
Total	44,527	623,303	37,526

Eagle Scouts contributed a kiosk containing an emigrant diary passages about McIendon Spring. They also constructed registration boxes to collect visitor data. A senior citizen in the Idaho Falls field office contributed 800 hours cataloging historic and prehistoric artifacts. Several projects were completed with Idaho State University students. Fire lookouts, weed control, recreation facility improvements, and tree planting activities also were valuable volunteer contributions in Idaho. In the State Office, cadastral surveys and botany studies were among accomplishments achieved through volunteer assistance valued at over \$57,000.

Volunteer work at the Boise and Jarbidge field offices was valued at over \$365,000.

Outstanding volunteers in Idaho include Bob Nisle of the Eastern Idaho Visitor Information Center, Dale Dunn, of the range and lands program of the Boise District, and Jeff Chaplin, a resource assistant under the Student Conservation Association program, serving in forestry and as campground host.

Montana/Dakotas

Montana and the Dakotas had a total of 279 volunteers who donated 44,427 hours with an estimated value of \$534,104. The estimated cost to BLM was \$44,810.

Montana/Dakotas			
279 Volunteers (Including 10 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	2,800	27,440	2,090
Forestry	538	8,558	1,004
Lands	8	80	0
Rangelands	1,639	29,195	1,421
Recreation	18,634	225,451	27,532
Watershed/Hydrology	754	10,067	368
Wilderness	620	5,766	2,090
Wild Horses/Burros	738	8,870	779
Wildlife	181	2,169	100
Energy & Minerals	866	10,397	1,665
Cadastral Survey	0	0	0
Construction & Engineering	7,988	104,165	6,694
Fire	0	384	0
Administration	3,141	41,848	1,047
Other	6,520	59,714	20
Total	44,427	534,104	44,810

Various outreach efforts were very successful because of the assistance of

volunteers in Montana. BLM sponsors an annual education program in conjunction with the Northern International Livestock Exposition (NILE), "Agriculture in the Classroom." With the help of a volunteer, a 3-day classroom presentation was given to approximately 1,600 students and teachers. A highly technical Global Positioning System computer base station has been set up through a volunteer's efforts. Volunteers also kept BLM recreation sites operational. An innovative interagency internship opportunity resulted in 200 hours of research for the Office of the Field Solicitor in 1995. The research identified court and Interior Board of Land Appeals (IBLA) decisions relating to the National Environmental Policy Act and Federal Land Policy and Management Act. The BLM provided the framework and guidance for the project. Another student, Monty King, of Powell College in Wyoming, used his keen interest in homesteading and computers to assemble a database of patented lands in Sweet Grass County, making these records more readily available to the public. Back on the range, volunteer Bob Newby served as a range rider managing grazing allotments for the Headwaters Resource Area. Volunteers of the Pompey's Pillar Interpretive

Association continue to improve operations at the Lewis and Clark historic site. They built and donated a boat replicating those used by early explorers, procured and donated a buffalo hide, and gave numerous lectures to schools and civic groups.

Outstanding volunteers for Montana/Dakotas are Bob Newby, Don Wirth, Jean Ketterling, Raymond Redding, Don Kurtz, Monty King, Illa Willmore, Clinton VanBlaricum, and the members of the Pompey's Pillar Interpretive Association. These are only a few of the dedicated volunteers who have assisted the Montana/Dakotas office.



Volunteer Bob Newby, along with his horse Charlie, covers about 100 square miles of range, monitoring grazing allotments near Merysville, Montana. Why? Because, as he puts it, "If we don't take care of the land, we're going to lose it, and we won't have it for our grandchildren."

Nevada

Nevada had a total of 1,018 volunteers who donated 72,411 hours with an estimated value of \$824,226. The estimated cost to BLM was \$39,955.

boxes along the river. In addition, Stanford University students conducted a spotted frog survey in the Ely District.



Jennifer Egan, a BLM Hawkwatch volunteer, releases a banded falcon at the Goshute Peak Wilderness Study Area in Nevada.

Outstanding volunteers in Nevada include Jim Hawkins, who contributed over 300 hours checking and maintaining wildlife improvements; Harold Hass, who constructed cabinets, tables, and displays for the Carson City District's Public Room; and Clint and Ellen Boehringer, volunteers for the Rhyolite Ghost Town, Nevada (1995 Volunteer Award winners).

Nevada			
1,018 Volunteers (Including 166 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	5,632	69,786	13,663
Forestry	616	6,510	100
Lands	0	0	0
Rangelands	726	29,952	1,500
Recreation	4,269	19,251	2,348
Watershed/Hydrology	70	2,804	50
Wilderness	200	1,800	1,206
Wild Horses/Burros	16	282	0
Wildlife	26,674	293,872	16,931
Energy & Minerals	0	0	0
Cadastral Survey	0	0	0
Construction & Engineering	6,240	62,400	1,800
Fire	9,421	112,088	857
Administration	16,809	206,425	0
Other	1,738	19,056	1,500
Total*	72,411	824,226	39,955

* Incomplete at time of publication

Volunteers in Nevada conducted archaeological excavations, monitored rangelands, made wildlife improvements, and sold wood products and Christmas tree permits. In Carson City, the Carson River Appreciation Day attracted 80 volunteers who picked up trash, planted willows, and installed wood duck



Volunteers prepare to do trail work at Red Rock Canyon in Nevada.

New Mexico

New Mexico had a total of 1,871 volunteers who donated 92,317 hours with an estimated value of \$837,569. The estimated cost to BLM was \$107,994.

New Mexico			
1,871 Volunteers <i>(Including 5 Hosted Workers)</i>	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	20,986	178,854	30,261
Forestry	536	5,050	35
Lands	102	2,715	0
Rangelands	164	1,669	72
Recreation	46,354	366,632	67,358
Watershed/Hydrology	372	2,343	138
Wilderness	3,673	44,261	2,042
Wild Horses/Burros	736	8,880	2,513
Wildlife	2,711	34,033	1,877
Energy & Minerals	2,151	17,939	0
Cadastral Survey	2,498	27,330	1,527
Construction & Engineering	84	924	0
Fire	7,004	92,334	603
Administration	3,928	38,372	1,568
Other	1,018	16,233	0
Total	92,317	837,569	107,994

Campers benefited from a volunteer project which involved moving 200 cords of firewood from a mining site to Aguirre Spring Campground for use by the public. Volunteers also provided welding, electrical, and backhoe work

at Dripping Springs Natural Area and in other areas throughout the Las Cruces District. Wilderness patrol volunteers monitored 18 wilderness study areas throughout the year for a total of 195 patrols in the Mimbres Resource Area. Volunteers also patrolled El Malpais National Conservation Area.

Approximately 1,200 Christmas trees were recycled and used by volunteers in a major erosion control project. One volunteer put in 400 hours in telecommunications work for the Las Cruces District. Volunteers also assisted with cave inventories, removed graffiti from canyon walls, manned visitor centers, worked to control noxious weeds, and made improvements to rangelands and wildlife habitat.

Outstanding volunteers in New Mexico include Bob and Ann Early, hosts at the historic mining town of Lake Valley (1995 Volunteer Award winners); Jay Weir, Bill Madden, and Jo and JoAnn Allen, who researched, documented and mapped three historic trails; and George and Laverne Lazansky, who patrolled archaeological sites making 94 trips in 1995.

Oregon/Washington

Oregon and Washington had a total of 3,549 volunteers who donated 168,554 hours with an estimated value of \$1,634,790. The estimated cost to BLM was \$445,344.

Oregon/Washington			
3,549 Volunteers (Including 17 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	3,466	38,218	12,948
Forestry	11,735	112,997	42,156
Lands	4,235	46,210	9,089
Rangelands	462	5,324	
Recreation	72,207	717,759	341,706
Watershed/Hydrology	800	8,296	1,720
Wilderness	95	971	
Wild Horses/Burros	1,350	9,434	450
Wildlife	16,660	133,390	26,836
Energy & Minerals	0	0	0
Cadastral Survey	0	0	0
Construction & Engineering	3,115	31,084	2,723
Fire	3,780	28,187	133
Administration	2,482	26,658	5,296
Other	0	0	0
Unspecified*	48,167	476,262	2,287
Total*	168,554	1,634,790	445,344

* Incomplete data at time of publication; some totals were not broken into program areas.

Showing up in force, Oregon and Washington volunteer groups proved that the old adage "there's strength in

numbers" holds true. Volunteers from Pacific Crest Outward Bound, Rock Springs Guest Ranch, and Central Oregon Climbers joined forces in the Prineville District to monitor the public lands and help maintain and enhance the natural resources. The Inland Northwest Wildlife Council and the Washington Ornithological Society completed numerous wildlife and riparian projects in the Spokane District, while in Eugene, groups of volunteers assisted in endangered species surveys and wildlife monitoring projects. The Hickmann's, making volunteering a family event, facilitated a public lands cleanup project.

Outstanding volunteers in Oregon include Harold Morris, of Roseberg, who saved the BLM an estimated \$30,000 a year in maintenance expenses during his volunteer position as campground host (a 1995 Volunteer Award winner), and Don Gillen who assembled picnic tables, installed signs and bulletin boards, assisted in upgrading recreation sites, monitored vandalism, and helped maintain campgrounds, contributing over 2,000 volunteer hours and saving the BLM \$18,840.

Utah

Utah had a total of 2,479 volunteers who donated 74,810 hours with an estimated value of \$818,803. The estimated cost to BLM was \$60,507.

Utah			
2,479 Volunteers	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	14,864	157,311	3,500
Forestry	0	0	0
Lands	695	20,600	0
Rangelands	3,717	41,683	352
Recreation	38,490	426,266	44,580
Watershed/Hydrology	901	8,340	745
Wilderness	2,880	30,219	2,458
Wild Horses/Burros	2,210	29,498	965
Wildlife	5,157	47,124	778
Energy & Minerals	88	1,672	198
Cadastral Survey	0	0	0
Construction & Engineering	1,142	13,565	2,801
Fire	352	3,428	0
Administration	4,203	37,841	3,630
Other	111	1,256	500
Total	74,810	818,803	60,507

Utah volunteers helped spread the word through the Intrigue of the Past education program. Ten volunteer teachers recorded rock art in Nine Mile Canyon learning about the Fremont culture and archaeological methods, which they can pass on to fellow teachers and students. Volunteers also assisted in trail work, cleanups in wilderness study areas, and river patrols to monitor campsites. Earthwatch volunteers located and documented rock art in Grand Gulch. Near Moab, volunteers conducted bike patrols of the Slickrock Bike

Trail. Boy Scouts were very active throughout the State. Utah hosted a Public Lands Appreciation Day event where volunteers refurbished parts of the historic Pony Express Trail.

Outstanding volunteers in Utah include Norman and Tim Spitz, father and son team, who serve as hosts at the Parie Contact Station; Leon Matheson, retired military colonel, who designed and recruited volunteers to help him construct a trail in the Beaver River Resource Area; Jim Wilson, who was camp host at the Bridge Hollow Campground, building and repairing facilities to save the BLM hundreds of dollars; Martha Hanns, camp host, tour guide, and bookkeeper at the John Jarvie Historic Site.



These "weed warriors" clear weeds off public lands in Utah.

Wyoming

Wyoming had a total of 611 volunteers who donated 26,953 hours with an estimated value of \$307,176. The estimated cost to BLM was \$26,973.

Wyoming			
611 Volunteers (Including 5 Hosted Workers)	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	1,553	24,873	150
Forestry	72	782	80
Lands	865	8,131	500
Rangelands	1,054	12,281	267
Recreation	10,688	131,029	13,573
Watershed/Hydrology	582	7,135	2,235
Wilderness	1,552	11,609	1,034
Wild Horses/Burros	80	808	120
Wildlife	3,805	41,367	2,654
Energy & Minerals	554	6,024	0
Cadastral Survey	0	0	0
Construction & Engineering	472	3,680	230
Fire	24	240	0
Administration	2,570	29,170	459
Other	3,082	30,047	5,671
Total	26,953	307,176	26,973

Caves in Wyoming benefited from the volunteer work of local caving groups and the National Outdoor Leadership School (NOLS) who worked in the Little Mountain Caves area in the Worland District. Additional volunteers completed a photo monitoring program for Horsethief Cave. Wyoming volunteers were participants in several national programs such as RAPS, Student Conservation Association, Boy Scouts,

and Girl Scouts. They worked on a variety of projects, including planting trees, rerouting trails, installing bluebird houses, constructing fences, collecting wildlife data, and performing administrative tasks. Several retired BLM employees donated time to the agency in Wyoming while two retired Forest Service employees did inventory work on the Continental Divide Trail. High school and college students also volunteered, as did members of a special education summer program at Lander Valley High School. At the Muddy Mountain Environmental Education Area, 115 volunteers worked in collaboration with other partners.

Outstanding volunteers in Wyoming include Mike Hammond, campground host at Fontenelle Recreation Area and the Oak Brook Chapter of Trout Unlimited (from Oak Brook, Illinois) for watershed restoration work in LaBarge Creek. Outdoor recreation planner Rod Sanders of the Platt River Resource Area in Mills, Wyoming, received the State Director's outstanding volunteer supervisor award for his work on the Muddy Mountain project. Jacques W. Robertson, of the BLM's Cody Resource Area, was selected as a 1995 Volunteer Award winner for developing and supervising projects involving juvenile offenders sentenced to perform community service which benefitted BLM.

In addition to its State Offices, BLM has other entities that have also benefitted from volunteers.

Office of Fire and Aviation

The Office of Fire and Aviation in Boise, Idaho, had a total of 15 volunteers who donated 1,732 hours with an estimated value of \$19,345. The estimated cost to BLM was insignificant.

Office of Fire and Aviation			
15 Volunteers	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Fire	316	5,083	0
Administration	256	2,720	0
Other	1,160	11,542	0
Total	1,732	19,345	0

Service Center

The Service Center in Denver, Colorado, had a total of 20 volunteers who donated 3,346 hours with an estimated value of \$53,949. The estimated cost to BLM was \$763.

Service Center			
20 Volunteers	Work Hours	Estimated Value (\$)	Estimated Cost (\$)
Cultural/Historical	10	130	0
Lands	752	12,032	425
Hazardous Materials	490	8,950	0
Cadastral Survey	545	15,305	338
Geo Data	181	3,429	0
Industrial Hygiene	370	4,810	0
Administration	998	9,293	0
Total	3,346	53,949	763

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